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Attome	y Docket No.	M419.12-004	13
First In	ventor or Applica	ation Identifier	Benjamin Y.H. Liu et al.
Title	HIGH-PERFO	RMANCE VAPOR D-PRECURSOR V	IZER FOR LIQUID-PRECURSOR AND APORIZATION IN SEMICONDUCTOR

PŢ	PATENT APPLICATION	Title	HIGH-PERFORMANCE VAPORIZER FOR LIQUID-PRECURSOR AND						
C TRANSMITTAL (Only for new non-provisional applications under 37 C.F.R. § 1.53(B))			MULTI-LIQUID-PRECURSOR VAPORIZATION IN SEMICONDUCTOR THIN FILM DEPOSITION						
(Only for	r new non-provisional applications under 37 C.F.R. § 1.53(B))	Expre	ress Mail Label No. EV388908754US						
See M	APPLICATION ELEMENTS 1PEP chapter 600 concerning utility patent application content	ts.	Address To: Mail Stop Patent Application Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450						
1.	*Fee Transmittal Form e.g., PTO/SB17) (Submit an original and a duplicate for fee processing)		7. CD-ROM or CD-R in duplicate, large table of Computer organs (Appendix)						
2.	Applicant Claims small entity status		Nucleotide and/or Amine Acid Sequence Submission						
3. X	Specification [Total Sheets (preferred arrangement set forth below	1	8. (If applicable, all necessary)						
	- Descriptive title of the Invention)		a. Computer Readable Copy						
*	 Cross References to Related Applications Statement Regarding Fed sponsored R & D Reference to Microfiche Appendix Background of the Invention 		 b. Specification Sequence Listing on: i. □ CD-ROM or CD-R (2 Copies); or ii. □ Paper 						
	 Brief Summary of the Invention Brief Description of the Drawings (if filed) 	_	c. Statement verifying identity of above copies						
	- Detailed Description		ACCOMPANYING APPLICATION PARTS						
	- Claim(s)		9. Assignment Papers (cover sheet & document(s))						
	- Abstract of the Disclosure		10 37 C.F.R. § 3.73(b) Statement Power of Attorney						
r	V		11. English Translation Document (if applicable)						
4.	Drawing(s) (35 U.S.C. § 113) [Total Sheets 8		12. Information Disclosure Copies of IDS Statement (IDS)/PTO – 1449 Citations						
5.	Oath or Declaration [Total Sheets 3	J	13. Preliminary Amendment Return Receipt Postcard (MPEP 503)						
a.	Newly executed (original or copy)		14. Return Receipt Postcard (MPEP 503) (Should be specifically itemized)						
b.	Copy from a prior application (37 C.F.R. § 1.63 (for continuation/divisional with Box 18 completed)	B(d))	15. Certified Copy of Priority Document(s) (if foreign priority is claimed)						
	i. <u>DELETION OF INVENTOR(S)</u> Signed statement attached deleting inventor(s) named in the prior applicat	tion,	16. Nonpublication Request Under 35 USC 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent						
_ ا	see 37 C.F.R. §§1.63(d)(2) and 1.33(t		☐ Other:						
⁶ 🗵	Application Data Sheet. See 37 CFR 1.76		17.						
If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76: Continuation Divisional Continuation—in part (CIP) of prior application No: Prior application information: Examiner Group/Art Unit: FOR CONTINUATION or DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 4b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.									
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Signature	Mullelle	edy		Date	1/30/04

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FEE TRANSMITTAL					Applic	ation N	0.						
						Filing Date							
							Named I	nvento	r	Bei	njamin Y.H. Liu et al.	-	
					Title				HIGH-PERFORMANCE VAPORIZER FOR LIQUID- PRECURSOR AND MULTI-LIQUID-PRECURSOR VAPORIZATION IN SEMICONDUCTOR THIN FILM DEPOSITION				
						Group Art Unit							
	- ,						Exam	iner Na	me				
Total A	mount o	f Payme	nt \$ 7	54		<u> </u>	Atty. [Atty. Docket Number M419.12-0043					
	ME	THOD O	F PAYN	MENT (C	heck One)					FEE	CA	LCULATION (Continued)	
1. 🗵 Tr	ne Direct	or is hereb	y authori	zed to cha	arge any additi	onal fee	3. ADDITIONAL FEES						
The Director is hereby authorized to charge any additional fee required under 37 C.F.R. § 1.16 and 1.17, including any petition fee, and credit any over payments to Deposit Account No. 23-1123. Westman, Champlin & Kelly, P.A.					Large Fee	Entity Fee	Smal Fee	l Entity Fee		Fee Description	Fee Paid		
2. 🗶 P	TO Form	-2038 Enc	losed				Code	(\$)	Code	(\$)			
	<u> </u>		<u>.</u>				1051	130	2051	6	5	Surcharge - Late filing fee or oath	
FEE CALCULATION					1052	50	2052	2	!5	Surcharge - Late provisional Filing Fee or cover sheet			
1. BASIC FILING FEE					1053	130	1053	13	0	Non-English specification			
Large	•		Entity				1812	2,520	1812	2,52	20	For Filing a Request for Reexamination. (ex parte)	
Fee	Fee	Fee	Fee				1251	110	2251	5	5	Extension for reply within first month	
<u>Code</u> 1001	<u>(\$)</u> 770	<u>Code</u> 2001	<u>(\$)</u> 385		escription		1252	420	2252	21	0	Extension for reply within second month	
1001	340	2001	170		tility Filing Fee		1253	950	2253	47	'5	Extension for reply within third month	
1002	770	2002	385		sign Filing Fee		1254	1,480	2254	74	10	Extension for reply within fourth month	
1005	160	2005	80		issue Filing Fe	e	1255	2,010	2255	1,00)5	Extension for reply within fifth month	
1000	100	2000	00	LIPro	v. Filing Fee		1402	330	2402	16	5	Filing a brief in support of an appeal	
					Subtota	(1) \$ 385	1403	290	2403	14	5	Request for oral hearing	•
2. EX T		AIM FEE:		Eutro	Fac from	Enn Doid	1814	110	2814	5	5	Terminal Disclaimer Fee	
	Numi Claim		or**	Extra	Fee from Below	Fee Paid	1452	110	2452	5	55	Petition to Revive - unavoidable	
Total	27	20		7	9	0	1453	1,330	2453	66	55	Petition to Revive - unintentional	
Indep.	5	3		2	43	0	1501	1,330	2501	66	55	Utility/Reissue issue fee (inc. advance copies)	
Multiple Dependent Claims					1502	480	2502	24	10	Design issue fee (inc. advance copies)			
** Insert 3 and 20, or number previously paid if greater; Reissue see below Large Entity Small Entity					1460	130	1460	13	30	Petitions to the Commissioner			
Fee Code	Fee _(\$)	Fee Code	Fee _(\$)_	Description	on		1807	50	1807	5	60	Petitions related to provisional applications	
1202 1201	18 86	2202 2201	9 43		n excess of 20 dent claims in o	excess of 3	1806	180	1806	18	30	Submission of Information Disclosure Statement	
1203 1204	290 86	2203 2204	145 43	•	Dependent Cla Independent C Patent		8021	40	8021	4	10	Recording each patent assignment per property (times number of properties)	40
1205 18 2205 9 Reissue claims in excess of 20 and over original patent						Other P	ee (spec	ify)					
			11	01 A	Subtota	(2) \$ 329	<u> </u>					Subtot	al (3) \$ 40
Signat		kolas B	Westm	166 an)	See	<u></u>		-	Reg. No	o. <u>20,1</u> 4	<u>47</u>		
Date _	i/3	,	4						Deposit	Accou	nt N	o. <u>23-1123</u>	